HP 41 System Demo

Tape Content:

Autostart
Master
program.

NAME	TYPE	REGS
AUTOST	WA,S,A	336
GPIO	PR,S,A	148
INI	PR,S,A	181
DISP	PR,S,A	180
KEYS	PR,S,A	175
HPILPR	PR,S,A	170
PRDTA	DA,S	31
PLOT	PR,S	16
TIMER	PR,S,A	80
CHRONO	PR,S	129
ALARM	PR,S,A	96
XFUNC	PR,S	91
SN	PR,S,A	125
CASSET	PR,S,A	79
VIDEO	PR,S,A	171
DMM	PR,S,A	78
BCDEPR	PR,S,A	69
PRNT88	PR,S,A	71
PLTR	PR,S	116
GPIOX	PR,S,A	175

```
          HP-41
       SYSTEM  DEMO

    IF TIME AND DATE ARE
    PROPERLY SET, ANSWER
    N TO THE NEXT QUESTION,
    THEN PRESS R/S.




    INITL? Y/N
    N                    RUN

    PRESS THE TOP ROW OF
    KEYS TO SELECT DESIRED
    DEMO.

    THE ABBREVIATIONS IN THE
    HP-41 DISPLAY REFER TO
    INDIVUALLY SELECTABLE
    DEMOS THAT MAY BE ACTI-
    VATED BY PRESSING THE
    KEY BELOW IT.

    D
    I
    S P
    P
```

```
01◆LBL "NEWM"          60 "TM SW A XF ↑"      119◆LBL 01
02 "DO NOT RUIN DEM"   61 SF 11               120 SF 25
03 "←0 TAPE."          62 PROMPT              121 TIME
04 XEQ "0"             63 GTO 20              122 FS?C 25
05 ADV                 64◆LBL A               123 GTO 00
06 ADV                 65 "TIMER"             124 "NO TIME MODULE"
07 ADV                 66 GTO 01              125 XEQ 09
08 ADV                 67◆LBL B               126◆LBL 02
09 ADV                 68 "CHRONO"            127 SF 25
10◆LBL "START"         69 GTO 01              128 ANUM
11 "INI"               70◆LBL C               129 FS?C 25
12 SF 25               71 "ALARM"             130 GTO 00
13 XEQ "INI"           72 GTO 01              131 "NO XFUN MOD"
14 FC? 25              73◆LBL D               132 XEQ 09
15 READP               74 "XFUNC"             133◆LBL 03
16 FC?C 25             75 GTO 02              134 SF 25
17 XEQ "INI"           76◆LBL 30              135 CLX
18◆LBL "RECOVER"       77 30                  136 XROM 17,22
19 SF 27               78 STO 40              137 FS?C 25
20 CF 12               79 " C V DM BP ↑"      138 GTO 00
21 AUTOIO              80 SF 11               139 "NO PLOT MOD"
22 CF 25               81 PROMPT              140◆LBL 09
23◆LBL 10              82 GTO 30              141 CF 21
24 10                  83◆LBL A               142 AVIEW
25 STO 40              84 "CASSET"            143 BEEP
26 " D K PR PL ↑"      85 GTO 00              144 PSE
27 SF 11               86◆LBL B               145 GTO 20
28 PROMPT              87 "VIDEO"             146◆LBL 00
29 GTO 10              88 GTO 02              147 CF 21
30 GTO 10              89◆LBL C               148 ASTO L
31◆LBL A               90 "DMM"               149 "LOADING "
32 "DISP"              91 GTO 00              150 ARCL L
33 GTO 00              92◆LBL D               151 AVIEW
34◆LBL B               93 "BCDEPR"            152 CLA
35 "KEYS"              94 GTO 00              153 ARCL L
36 GTO 00              95◆LBL 40              154 READP
37◆LBL C               96 40                  155 CLD
38 "HPILPR"            97 STO 40              156 SF 21
39 GTO 00              98 "P8 GP PM ? ↑"      157 ADV
40◆LBL D               99 SF 11               158 ADV
41 "PLOT"              100 PROMPT             159 CLA
42 GTO 00              101 GTO 40             160 ARCL L
43◆LBL "EE"            102◆LBL A              161 "↑ DEMO:"
44 RCL 40              103 "PRNT80"           162 XEQ "012"
45 10                  104 GTO 02             163 ADV
46 +                   105◆LBL B              164 XEQ IND L
47 SF 25               106 "GPIO"             165◆LBL "RTN"
48 GTO IND X           107 GTO 00             166 "END DEMO"
49 GTO 10              108◆LBL C              167 CF 21
50◆LBL "ee"            109 "PLTR"             168 AVIEW
51 RCL 40              110 GTO 03             169 SF 21
52 10                  111◆LBL D              170 GTO IND 40
53 X=Y?                112 SF 21              171 END
54 GTO 10              113 "MORE INNOVATION"
55 -                   114 AVIEW
56 GTO IND X           115 "FROM H.P."
57◆LBL 20              116 AVIEW
58 20                  117 CF 21
59 STO 40              118 GTO "EE"
```

```
01+LBL "012"
02 SF 12
03+LBL "OUT"
04+LBL "O"
05 SF 21
06 FS? 55
07 PRA
08 CF 12
09 FS? 55
10 RTN
11 CF 21
12 AVIEW
13 PSE
14 RTN
15+LBL "Y/N?"
16 CF 05
17 "⊦? Y/N"
18 AON
19 PROMPT
20 AOFF
21 ASTO Y
22 "Y"
23 ASTO X
24 X=Y?
25 SF 05
26 RTN
27+LBL "IN"
28 CF 22
29 ASTO Y
30 ASHF
31 ASTO Z
32 CLA
33 ARCL Y
34 ARCL Z
35 "⊦=?"
36 PROMPT
37 FC? 22
38 RTN
39 FC? 55
40 RTN
41 SF 21
42 CLA
43 ARCL Z
44 ARCL T
45 "⊦ = "
46 ARCL X
47 PRA
48 RTN
49 END
```

GPIO
148 Regs.
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Program Run:

```
01◆LBL "GPIO"
02 "THE HP82165A AN"
03 "⊢D"
04 XEQ "OUT"
05 "THE HP82166A GP"
06 "⊢IO"
07 XEQ "OUT"
08 "INTERFACES BRIN"
09 "⊢G HPIL"
10 XEQ "OUT"
11 "TO THE WORLD OF"
12 "⊢:"
13 XEQ "OUT"
14 ADV
15 "-DATA COLLECTIO"
16 "⊢N"
17 XEQ "OUT"
18 "-DEVICE CONTROL"
19 XEQ "OUT"
20 "-HOME COMPUTERS"
21 XEQ "OUT"
22 "-OEM APPLICATIO"
23 "⊢NS"
24 XEQ "OUT"
25 "**************"
26 "⊢********"
27 XEQ "OUT"
28 ADV
29 "BOTH INTERFACES"
30 XEQ "OUT"
31 "INCORPORATE A 3"
32 "⊢2 BYTE"
33 XEQ "OUT"
34 "FIFO BUFFER FOR"
35 XEQ "OUT"
36 "INCREASED THROU"
37 "⊢GHPUT."
38 XEQ "OUT"
39 ADV
40 "APPLICATIONS:"
41 XEQ "OUT"
42 ADV
43 "-THE 82165A CAN"
44 "⊢ CONNECT"
45 XEQ "OUT"
46 "TO MANY PERSONA"
47 "⊢L"
48 XEQ "OUT"
49 "COMPUTERS, AND "
50 "⊢LARGER"
51 XEQ "OUT"
52 "MAINFRAME COMPU"
53 "⊢TERS"
54 XEQ "OUT"
55 "OVER THEIR PARA"
56 "⊢LLEL"
57 XEQ "OUT"
58 "INTERFACE PORT "
59 "⊢THUS"
60 XEQ "OUT"
61 "GIVING YOUR MAC"
62 "⊢HINE"
63 XEQ "OUT"
64 "HPIL COMPATIBIL"
65 "⊢ITY."
66 XEQ "OUT"
67 "   ALSO, IT CAN"
68 "⊢ BE"
69 XEQ "OUT"
70 "CONNECTED TO MO"
71 "⊢ST"
72 XEQ "OUT"
73 "PRINTERS AVAILA"
74 "⊢BLE"
75 XEQ "OUT"
76 "ALLOWING YOUR S"
77 "⊢TANDARD"
78 XEQ "OUT"
79 "SIZED PRINTER T"
80 "⊢HAT YOU"
81 XEQ "OUT"
82 "MAY ALREADY OWN"
83 "⊢ TO DO"
84 XEQ "OUT"
85 "YOUR PRINTING."
86 XEQ "OUT"
87 ADV
88 "-THE 82166A IS "
89 "⊢MEANT FOR"
90 XEQ "OUT"
91 "OEM CUSTOMERS W"
92 "⊢HO WISH"
93 XEQ "OUT"
94 "TO DESIGN HPIL "
95 XEQ "OUT"
96 "CAPABILITIES IN"
97 "⊢TO THEIR "
98 XEQ "OUT"
99 "PRODUCTS WITH M"
100 "⊢INIMAL"
101 XEQ "OUT"
102 "DEVELOPEMENT CO"
103 "⊢STS AND"
104 XEQ "OUT"
105 "HP SUPPORT."
106 XEQ "OUT"
107 ADV
108 ADV
109 ADV
110 ADV
111 "END DEMO"
112 XEQ "OUT"
113 XEQ "RTN"
114 .END.
```

THE HP82165A AND
THE HP82166A GPIO
INTERFACES BRING HPIL
TO THE WORLD OF:

-DATA COLLECTION
-DEVICE CONTROL
-HOME COMPUTERS
-OEM APPLICATIONS
****

BOTH INTERFACES
INCORPORATE A 32 BYTE
FIFO BUFFER FOR
INCREASED THROUGHPUT.

APPLICATIONS:

-THE 82165A CAN CONNECT
TO MANY PERSONAL
COMPUTERS, AND LARGER
MAINFRAME COMPUTERS
OVER THEIR PARALLEL
INTERFACE PORT THUS
GIVING YOUR MACHINE
HPIL COMPATIBILITY.
    ALSO, IT CAN BE
CONNECTED TO MOST
PRINTERS AVAILABLE
ALLOWING YOUR STANDARD
SIZED PRINTER THAT YOU
MAY ALREADY OWN TO DO
YOUR PRINTING.

-THE 82166A IS MEANT FOR
OEM CUSTOMERS WHO WISH
TO DESIGN HPIL
CAPABILITIES INTO THEIR
PRODUCTS WITH MINIMAL
DEVELOPEMENT COSTS AND
HP SUPPORT.

END DEMO

INI
181 Regs.
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```
01◆LBL "INI"          47 FIX 0            110 "THE ABBREVIATIO"
02 2                  48 CF 29            111 "⊢NS IN THE"
03 SELECT             49 "SET TIME"       112 XEQ "OUT"
04 "SEE PRINTER"      50 CF 21            113 "HP-41 DISPLAY R"
05 CF 21              51 AVIEW            114 "⊢EFER TO"
06 FS? 55             52 BEEP             115 XEQ "OUT"
07 AVIEW              53 PSE              116 "INDIVUALLY SELE"
08 FS? 55             54 "HR"             117 "⊢CTABLE"
09 SF 21              55 XEQ "IN"         118 XEQ "OUT"
10 "   HP-41"         56 STO 01           119 "DEMOS THAT MAY "
11 XEQ "012"          57 "MIN"            120 "⊢BE ACTI-"
12 "SYSTEM DEMO"      58 XEQ "IN"         121 XEQ "OUT"
13 XEQ "012"          59 1 E2             122 "VATED BY PRESSI"
14 ADV                60 /               123 "⊢NG THE"
15 TIME               61 RCL 01           124 XEQ "OUT"
16 FC? 25             62 +                125 "KEY BELOW IT."
17 GTO 01             63 STO 01           126 XEQ "OUT"
18 "IF TIME AND DAT"  64 "PM"             127 ADV
19 "⊢E ARE"           65 XEQ "Y/N?"       128 " D"
20 XEQ "OUT"          66 RCL 01           129 PRA
21 "PROPERLY SET, A"  67 FS? 05           130 " I"
22 "⊢NSWER"           68 CHS              131 PRA
23 XEQ "OUT"          69 SF 25            132 " S"
24 "N TO THE NEXT Q"  70 SETIME           133 ACA
25 "⊢UESTION,"        71 "SET DATE"       134 INSREC
26 XEQ "OUT"          72 CF 21            135 " P"
27 "THEN PRESS R/S."  73 AVIEW            136 ACA
28 XEQ "OUT"          74 BEEP             137 PRBUF
29 ADV                75 PSE              138 ACA
30 ADV                76 MDY              139 INSREC
31 ADV                77 "MONTH"          140 "R"
32 ADV                78 XEQ "IN"         141 ACA
33 ADV                79 STO 01           142 PRBUF
34 "INITL"            80 "DAY"            143 " L"
35 XEQ "Y/N?"         81 XEQ "IN"         144 ACA
36 FC? 05             82 STO 02           145 INSREC
37 GTO 01             83 "YEAR"           146 "E"
38 CF 28              84 XEQ "IN"         147 ACA
39 "USA DSP"          85 1 E2             148 PRBUF
40 XEQ "Y/N?"         86 /                149 " A"
41 FS? 05             87 FRC              150 ACA
42 SF 28              88 19               151 INSREC
43 SF 25              89 +                152 "S"
44 TIME               90 1 E4             153 ACA
45 FC?C 25            91 /                154 PRBUF
46 RTN                92 RCL 02           155 " Y  DEMO"
                      93 1 E2             156 ACA
                      94 /                157 INSREC
                      95 +                158 "S"
                      96 RCL 01           159 ACA
                      97 +                160 PRBUF
                      98 SETDATE          161 "----------------"
                      99◆LBL 01           162 "⊢----------"
                      100 ADV             163 PRA
                      101 "PRESS THE TOP "164 ADV
                      102 "⊢ROW OF"       165 " D DISPLAY"
                      103 XEQ "OUT"       166 ACA
                      104 "KEYS TO SELECT "167 INSREC
                      105 "⊢DESIRED"      168 "A"
                      106 XEQ "OUT"       169 ACA
                      107 "DEMO."         170 PRBUF
                      108 XEQ "OUT"       171 " K KEYS"
                      109 ADV             172 ACA
                                          173 INSREC
```

```
174 "B"
175 ACA
176 PRBUF
177 "PR PRINTER"
178 ACA
179 INSREC
180 "C"
181 ACA
182 PRBUF
183 "PL PRINT PLOT"
184 ACA
185 INSREC
186 "D"
187 ACA
188 PRBUF
189 ADV
190 "TM TIME MODULE"
191 ACA
192 INSREC
193 "A"
194 ACA
195 PRBUF
196 "SW STOP WATCH"
197 ACA
198 INSREC
199 "B"
200 ACA
201 PRBUF
202 " A ALARM"
203 ACA
204 INSREC
205 "C"
206 ACA
207 PRBUF
208 "XF EXTENDED FUN"
209 "⊦CTIONS  D"
210 PRA
211 ADV
212 " C CASSETTE DRI"
213 "⊦VE"
214 ACA
215 INSREC
216 "A"
217 ACA
218 PRBUF
219 " V VIDEO INTERF"
220 "⊦ACE"
221 ACA
222 INSREC
223 "B"
224 ACA
225 PRBUF
226 "DM DIGITAL MULT"
227 "⊦I-METER C"
228 PRA
229 "BP BAR CODE,PR"
230 ACA
231 INSREC
232 "D"
233 ACA
234 PRBUF
235 ADV
236 "P8 80 COL PRINT"
237 "⊦ER"
238 ACA
239 INSREC
```

I N i
181 Regs
Page 2/2

```
240 "A"
241 ACA
242 PRBUF
243 "GP GPIO INTERFA"
244 "⊦CE"
245 ACA
246 INSREC
247 "B"
248 ACA
249 PRBUF
250 "PM PLOTTER MODU"
251 "⊦LE"
252 ACA
253 INSREC
254 "C"
255 ACA
256 PRBUF
257 " ? FUTURE DEVIC"
258 "⊦E"
259 ACA
260 INSREC
261 "D"
262 ACA
263 PRBUF
264 ADV
265 "PRESS THE E KEY"
266 "⊦ FOR MORE"
267 XEQ "OUT"
268 "DEMO CHOICES."
269 XEQ "OUT"
270 ADV
271 "PRESS THE GOLD "
272 "⊦KEY THEN"
273 XEQ "OUT"
274 "THE E KEY FOR "
275 "⊦PREVIOUS"
276 XEQ "OUT"
277 "KEY LABELS."
278 XEQ "OUT"
279 ADV
280 ADV
281 ADV
282 ADV
283 1
284 SELECT
285 SF 25
286 RTN
287 .END.
```

Program run.

```
          HP-41
     SYSTEM DEMO

IF TIME AND DATE ARE
PROPERLY SET, ANSWER
N TO THE NEXT QUESTION,
THEN PRESS R/S.



PRESS THE TOP ROW OF
KEYS TO SELECT DESIRED
DEMO.

THE ABBREVIATIONS IN THE
HP-41 DISPLAY REFER TO
INDIVUALLY SELECTABLE
DEMOS THAT MAY BE ACTI-
VATED BY PRESSING THE
KEY BELOW IT.

    D
    I
   ,S P
    P
```

... and more.

```
01◆LBL "DISP"
02 CF 13
03 SF 26
04 FS? 55
05 SF 21
06 BEEP
07 "I AM THE HP-41"
08 "├ AND I"
09 XEQ 99
10 "LIKE TO COMMUNI"
11 "├CATE"
12 XEQ 99
13 "WITH YOU..."
14 XEQ 99
15 PSE
16 "PLEASE TYPE IN"
17 "├ YOUR"
18 XEQ 99
19 "FIRST NAME AND "
20 "├PRESS R/S"
21 XEQ 99
22 CLA
23 CLD
24 TONE 9
25 AON
26 STOP
27 AOFF
28 ASTO 01
29 ASHF
30 ASTO 02
31 ASHF
32 ASTO 03
33 "THANKS "
34 ARCL 01
35 ARCL 02
36 ARCL 03
37 ADV
38 XEQ 99
39 ADV
40 "LET US NOW SEE "
41 "├HOW MY"
42 XEQ 99
43 "ALPHANUMERIC DI"
44 "├SPLAY"
45 XEQ 99
46 "HELPS YOU WHEN "
47 "├YOU RUN"
48 XEQ 99
49 "A PROGRAM"
50 XEQ 99
51 ADV
52 "NOW WATCH THE D"
53 "├ISPLAY"
54 XEQ 99
55 ADV
```

```
56 "1. INPUT PROMPT"
57 "├ING"
58 XEQ 99
59 SF 13
60 "   NUMERIC"
61 XEQ 99
62 PSE
63 PSE
64 CF 13
65 CF 21
66 "TEMPERATURE?"
67 TONE 4
68 XEQ 99
69 PSE
70 "INCOME ?"
71 TONE 5
72 XEQ 99
73 "BEAM LENGTH?"
74 TONE 6
75 XEQ 99
76 "OXYGEN SAT.?"
77 TONE 7
78 XEQ 99
79 "ALTITUDE ?"
80 TONE 8
81 XEQ 99
82 "FREQUENCY ?"
83 TONE 9
84 XEQ 99
85 SF 13
86 FS? 55
87 SF 21
88 CLD
89 "   ALPHA"
90 XEQ 99
91 PSE
92 CF 13
93 CF 21
94 "MM/INCH ?"
95 TONE 4
96 XEQ 99
97 "YES/NO ?"
98 TONE 5
99 XEQ 99
100 "BIRTH DATE ?"
101 TONE 6
102 XEQ 99
103 "PART NUMBER?"
104 TONE 7
105 XEQ 99
106 "PRINT/PLOT ?"
107 TONE 8
108 XEQ 99
109 "LEASE/BUY ?"
110 TONE 9
111 XEQ 99
112 FS? 55
113 SF 21
114 CLD
115 "2. OUTPUT LABEL"
116 "├ING"
117 XEQ 99
118 SF 13
119 "   DOCUMENTED A"
120 "├NSWERS"
121 XEQ 99
```

```
122 PSE
123 CF 13
124 CF 21
125 "5.2 METER"
126 TONE 0
127 XEQ 99
128 "37 DEGREES C"
129 TONE 1
130 XEQ 99
131 "TAX=18.5 %"
132 TONE 2
133 XEQ 99
134 "R2=10K OHM"
135 TONE 3
136 XEQ 99
137 "NO ROOT FOUND"
138 TONE 4
139 XEQ 99
140 "CREDIT REFUSED"
141 TONE 5
142 XEQ 99
143 "PRICE IS $10"
144 TONE 6
145 XEQ 99
146 "Z-FACTOR= OK"
147 TONE 7
148 XEQ 99
149 "XYZ IN STOCK"
150 TONE 8
151 XEQ 99
152 "VOLUME=2 M↑3"
153 TONE 9
154 XEQ 99
155 FS? 55
156 SF 21
157 CLD
158 "3. STATUS INDIC"
159 "├ATION"
160 XEQ 99
161 SF 13
162 "   BATTERY"
163 XEQ 99
164 "   USER KEYBOAR"
165 "├D"
166 XEQ 99
167 "   TRIG. MODE"
168 XEQ 99
169 "   FLAG STATUS "
170 "├0 TO 4"
171 XEQ 99
172 "   PROGRAM MODE"
173 XEQ 99
174 "   ALPHA KEYBOA"
175 "├RD"
176 XEQ 99
177 PSE
178 CF 13
179 CF 21
180 CF 27
181 CLA
182 AVIEW
183 SF 27
184 TONE 9
185 SIN
186 CF 27
187 SIN
```

Program Run:

```
188 RAD                  245 "PRIVATE"
189 TONE 9               246 TONE 6
190 SIN                  247 XEQ 99
191 DEG                  248 "PACKING"
192 SIN                  249 TONE 6
193 GRAD                 250 XEQ 99
194 TONE 9               251 FS? 55
195 SIN                  252 SF 21
196 DEG                  253 BEEP
197 .004                 254 CLD
198 STO 00               255 RTN
199*LBL 01               256*LBL 99
200 SF IND 00            257 FS? 21
201 TONE 9               258 AVIEW
202 SIN                  259 FC? 21
203 CF IND 00            260 AVIEW
204 ISG 00               261 FC? 21
205 GTO 01               262 SIN
206 AON                  263 FC? 21
207 TONE 9               264 SIN
208 SIN                  265 RTN
209 AOFF                 266 .END.
210 SIN
211 CLD
212 SF 27
213 FS? 55
214 SF 21
215 "4. MEANINGFUL M"
216 "+ESSAGES"
217 XEQ 99
218 SF 13
219 "   BUILT IN ERR"
220 "+OR RE-"
221 XEQ 99
222 "   PORTING AND "
223 "+STATUS"
224 XEQ 99
225 "   MESSAGES"
226 XEQ 99
227 PSE
228 CF 13
229 CF 21
230 "ALPHA DATA"
231 TONE 6
232 XEQ 99
233 "DATA ERROR"
234 TONE 6
235 XEQ 99
236 "MEMORY LOST"
237 TONE 6
238 XEQ 99
239 "NONEXISTENT"
240 TONE 6
241 XEQ 99
242 "OUT OF RANGE"
243 TONE 6
244 XEQ 99
```

I AM THE HP-41 AND I
LIKE TO COMMUNICATE
WITH YOU...
PLEASE TYPE IN YOUR
FIRST NAME AND PRESS R/S

THANKS ETIENNE

LET US NOW SEE HOW MY
ALPHANUMERIC DISPLAY
HELPS YOU WHEN YOU RUN
A PROGRAM

NOW WATCH THE DISPLAY

1. INPUT PROMPTING
   numeric
   alpha
2. OUTPUT LABELING
   documented answers
3. STATUS INDICATION
   battery
   user keyboard
   trig. mode
   flag status 0 to 4
   program mode
   alpha keyboard
4. MEANINGFUL MESSAGES
   built in error re-
   porting and status
   messages

...and much

more on

the display.

```
01♦LBL "KEYS"
02 FIX 4
03 XEQ "WP"
04 "THE HP-41 HAS A"
05 "⊦ UNIQUE"
06 XEQ "0"
07 "FEATURE BY WHIC"
08 "⊦H YOU"
09 XEQ "0"
10 "CAN REDEFINE TH"
11 "⊦E ENTIRE"
12 XEQ "0"
13 "KEYBOARD"
14 "⊦."
15 XEQ "0"
16 ADV
17 "THIS FRIENDLY F"
18 "⊦EATURE"
19 XEQ "0"
20 "ALLOWS YOU TO:"
21 XEQ "0"
22 "1 ADAPT THE KEY"
23 "⊦BOARD"
24 XEQ "0"
25 "  TO YOUR NEEDS"
26 "⊦."
27 XEQ "0"
28 "2 ASSIGN OFTEN "
29 "⊦USED"
30 XEQ "0"
31 "  FUNCTIONS FRO"
32 "⊦M CAL-"
33 XEQ "0"
34 "  CULATOR AND P"
35 "⊦LUG-IN"
36 XEQ "0"
37 "  PERIPHERALS"
38 "⊦."
39 XEQ "0"
40 "3 AID UNSKILLED"
41 XEQ "0"
42 "  USERS IN CUST"
43 "⊦OMIZED"
44 XEQ "0"
45 "  APPLICATIONS"
46 "⊦."
47 XEQ "0"
48 ADV
49 "NOW LETS SEE TH"
50 "⊦E EFFECT"
51 XEQ "0"
52 "OF THE ASSIGNAB"
53 "⊦LE KEY-"
54 XEQ "0"
55 "BOARD"
56 "⊦ AND USER MODE"
57 "⊦."
58 XEQ "0"
59 ADV
60 "USER MODE IS IN"
61 "⊦DICATED"
62 XEQ "0"
63 "BY ANNUNCIATORS"
64 "⊦ IN THE"
65 XEQ "0"
66 "DISPLAY."
67 XEQ "0"
68 ADV
69 XEQ "WATCH"
70 5
71 CLA
72 AVIEW
73♦LBL 01
74 SF 27
75 TONE 1
76 CF 27
77 TONE 9
78 DSE X
79 GTO 01
80 XEQ "WP"
81 "USER MODE ALLOW"
82 "⊦S YOU"
83 XEQ "0"
84 "TO DESIGN A CAL"
85 "⊦CULATOR"
86 XEQ "0"
87 "FOR YOUR NEEDS."
88 XEQ "0"
89 ADV
90 "SWITCHING OUT O"
91 "⊦F USER"
92 XEQ "0"
93 "MODE RETURNS FU"
94 "⊦NCTION TO"
95 XEQ "0"
96 "DEFAULT CONFIGU"
97 "⊦RATION."
98 XEQ "0"
99 ADV
100 XEQ "WATCH"
101 CF 21
102 5
103♦LBL 02
104 "YOUR DESIGN"
105 SF 27
106 AVIEW
107 TONE 1
108 PSE
109 "HP DESIGN"
110 CF 27
111 AVIEW
112 TONE 9
113 PSE
114 DSE X
115 GTO 02
116 CF 27
117 XEQ "WP"
118 "WITH USER MODE "
119 "⊦OFF TRY"
120 XEQ "0"
121 "THE SIN FUNCTIO"
122 "⊦N. NOTE"
123 XEQ "0"
124 "THAT IF YOU HOL"
125 "⊦D THE KEY"
126 XEQ "0"
127 "DOWN THE FUNCTI"
128 "⊦ON NAME"
129 XEQ "0"
130 "IS DISPLAYED."
131 XEQ "0"
132 ADV
133 "HOLDING THE KEY"
134 "⊦ LONGER"
135 XEQ "0"
136 "WILL CAUSE THE "
137 "⊦KEY TO"
138 XEQ "0"
139 "BE IGNORED OR N"
140 "⊦ULLED."
141 XEQ "0"
142 ADV
143 "TRY THE SIN FUN"
144 "⊦CTION."
145 XEQ "0"
146 "PRESS R/S TO CO"
147 "⊦NTINUE."
148 XEQ "0"
149 ADV
150 45
151 CLD
152 STOP
153 XEQ "WP"
154 SF 27
155 "TRY THE SIN KEY"
156 "⊦ AGAIN"
157 XEQ "0"
158 "WITH USER MODE "
159 "⊦SET."
160 XEQ "0"
161 ADV
162 45
163 CLD
164 STOP
165♦LBL "NOTSIN"
166 CF 21
167 "NOT SIN NOW"
168 AVIEW
169 BEEP
170 BEEP
171 "END DEMO"
172 AVIEW
173 PSE
174 GTO "RECOVER"
175 RTN
176♦LBL "WATCH"
177 "WATCH THE DISPL"
178 "⊦AY."
179 XEQ "0"
180 ADV
181 RTN
182♦LBL "WP"
183 "SEE PRINTER"
184 CF 21
185 FS? 55
186 AVIEW
187 FS? 55
188 SF 21
189 RTN
190 .END.
```

```
01◆LBL "HPILPR"        53 "READING DATA"      114 ADV
02 CF 21               54 AVIEW               115 ADV
03 "SEE PRINTER"       55 "PRDTA"             116 ADV
04 AVIEW               56 READR               117 ADV
05 SF 21               57 CLD                 118 "END DEMO"
06 2                   58 SF 21               119 AVIEW
07 SELECT              59 SF 12               120 1
08 ADV                 60 ADV                 121 SELECT
09 "THE HP82162A"      61 RCL 04              122 RTN
10 XEQ "012"           62 ACSPEC             123◆LBL "CH"
11 INSREC              63 RCL 05              124 SF 12
12 "PRINTER/PLOTTER"   64 ACSPEC              125 ADV
13 ACA                 65 RCL 06              126 " "
14 PRBUF               66 ACSPEC              127 1
15 XEQ "IL"            67 PRBUF               128 ENTER↑
16 "COMPATIBLE WITH"   68 ADV                 129 ENTER↑
17 "⊢ PRESENT"         69 RCL 03              130 ENTER↑
18 XEQ "0"             70 ACSPEC              131 .02
19 "AND FUTURE HP-I"   71 CF 12               132 STO 00
20 "⊢L DEVICES"        72 " BELL SYSTEM"     133◆LBL 05
21 XEQ "0"             73 ACA                 134 ACCHR
22 ADV                 74 PRBUF               135 ACA
23 "AN INVESTMENT I"   75 ADV                 136 +
24 "⊢N THE"            76 RCL 13              137 ACCHR
25 XEQ "0"             77 ACSPEC              138 ACA
26 "FUTURE"            78 RCL 14              139 +
27 XEQ "0"             79 ACSPEC              140 ACCHR
28 ADV                 80 RCL 15              141 ACA
29 "KEY FEATURES"      81 ACSPEC              142 +
30 XEQ "012"           82 CF 12               143 ACCHR
31 "-COMPATIBLE WIT"   83 " CHEVROLET"       144 ACA
32 "⊢H THE"            84 ACA                 145 +
33 XEQ "0"             85 PRBUF               146 ACCHR
34 " HP 82143A PRIN"   86 ADV                 147 ACA
35 "⊢TER"              87 "-SINGLE WIDTH A"  148 +
36 XEQ "0"             88 "⊢ND"               149 ACCHR
37 "-96 ASCII STAND"   89 XEQ "0"             150 ACA
38 "⊢ARD CHAR."        90 "DOUBLE WIDTH"     151 +
39 XEQ "0"             91 XEQ "012"           152 PRBUF
40 "-127 HP-41 COMP"   92 ADV                 153 ISG 00
41 "⊢ATIBLE"           93 "-UPPER CASE AND"  154 GTO 05
42 XEQ "0"             94 XEQ "0"             155 ACCHR
43 " CHARACTERS"       95 SF 13               156 ACA
44 XEQ "0"             96 " LOWER CASE"      157 +
45 XEQ "CH"            97 XEQ "0"             158 ACCHR
46 ADV                 98 ADV                 159 ACA
47 "-USER DEFINED S"   99 CF 13               160 +
48 "⊢PECIAL"          100 "-FORMATED OUTPU"  161 PRBUF
49 XEQ "0"            101 "⊢T"                162 CF 12
50 " CHARACTERS"      102 XEQ "0"             163 RTN
51 XEQ "0"            103 "CENTERED"         164◆LBL "IL"
52 CF 21             104 ACA                 165 SF 12
                     105 INSREC              166 ADV
                     106 ADV                 167 127
                     107 "LEFT"              168 ACCOL
                     108 ACA                 169 0
                     109 INSREC              170 ENTER↑
                     110 "RIGHT"             171 3
                     111 ACA                 172 BLDSPEC
                     112 PRBUF               173 LASTX
                     113 CLX                 174 BLDSPEC
                                             175 LASTX
                                             176 BLDSPEC
                                             177 LASTX
                                             178 BLDSPEC
```

179 LASTX	240 47	302 RCL 00
180 BLDSPEC	241 SKPCOL	303 127
181 LASTX	242 127	304 BLDSPEC
182 BLDSPEC	243 SF 12	305 ACSPEC
183 LASTX	244 ACCOL	306 33
184 BLDSPEC	245 PRBUF	307 SKPCOL
185 STO 03	246 ACCOL	308 127
186 ACSPEC	247 INSREC	309 ACCOL
187 ACSPEC	248 ACCOL	310 47
188 ACSPEC	249 33	311 CF 12
189 ACSPEC	250 SKPCOL	312 SKPCOL
190 ACSPEC	251 RDN	313 RDN
191 ACSPEC	252 ACCOL	314 SF 12
192 ACSPEC	253 47	315 ACCOL
193 ACSPEC	254 CF 12	316 PRBUF
194 ACSPEC	255 SKPCOL	317 ACCOL
195 ACSPEC	256 SF 12	318 48
196 ACSPEC	257 RDN	319 ACCOL
197 CF 12	258 ACCOL	320 24
198 ACSPEC	259 PRBUF	321 ACCOL
199 LASTX	260 ACCOL	322 12
200 ACCOL	261 INSREC	323 ACCOL
201 SF 12	262 64	324 6
202 ACCOL	263 ACCOL	325 ACCOL
203 127	264 48	326 3
204 ACCOL	265 ACCOL	327 ACCOL
205 PRBUF	266 24	328 1
206 ACCOL	267 ACCOL	329 ACCOL
207 INSREC	268 15	330 RCL 01
208 "HP-IL"	269 ACCOL	331 ACSPEC
209 ACA	270 33	332 INSREC
210 CF 12	271 SKPCOL	333 RCL 03
211 47	272 127	334 ACSPEC
212 SKPCOL	273 ACCOL	335 ACSPEC
213 SF 12	274 47	336 ACSPEC
214 RDN	275 CF 12	337 ACSPEC
215 ACCOL	276 SKPCOL	338 ACSPEC
216 PRBUF	277 SF 12	339 CF 12
217 ACCOL	278 RDN	340 47
218 INSREC	279 ACCOL	341 SKPCOL
219 96	280 PRBUF	342 127
220 BLDSPEC	281 ACCOL	343 SF 12
221 LASTX	282 INSREC	344 ACCOL
222 BLDSPEC	283 0	345 PRBUF
223 LASTX	284 ENTER↑	346 8
224 BLDSPEC	285 64	347 ACCOL
225 LASTX	286 BLDSPEC	348 54
226 BLDSPEC	287 48	349 ACCOL
227 LASTX	288 BLDSPEC	350 99
228 BLDSPEC	289 24	351 ACCOL
229 LASTX	290 BLDSPEC	352 65
230 BLDSPEC	291 12	353 ACCOL
231 LASTX	292 BLDSPEC	354 INSREC
232 BLDSPEC	293 6	355 127
233 STO 04	294 BLDSPEC	356 ACCOL
234 ACSPEC	295 3	357 PRBUF
235 ACSPEC	296 BLDSPEC	358 SF 12
236 ACSPEC	297 STO 00	359 7
237 ACSPEC	298 1	360 SKPCOL
238 ACSPEC	299 BLDSPEC	361 1
239 CF 12	300 STO 01	362 ACCOL
	301 ACSPEC	363 3
		364 ACCOL

PLOT

16 Regs

365 6	01◆LBL "PLOT"
366 ACCOL	02 2
367 12	03 SELECT
368 ACCOL	04 CF 21
369 24	05 "SEE PRINTER"
370 ACCOL	06 AVIEW
371 48	07 SF 21
372 ACCOL	08 DEG
373 64	09 1
374 ACCOL	10 STO 01
375 10	11 CHS
376 SKPCOL	12 STO 00
377 RCL 04	13 STO 03
378 ACSPEC	14 CLX
379 ACSPEC	15 STO 04
380 ACSPEC	16 540
381 ACSPEC	17 STO 09
382 ACSPEC	18 CHS
383 ACSPEC	19 STO 08
384 ACSPEC	20 30
385 ACSPEC	21 STO 10
386 96	22 "SINX/X"
387 CF 12	23 ASTO 11
388 ACCOL	24 XROM "PRPLOTP"
389 ACCOL	25 ADV
390 ACCOL	26 ADV
391 ACCOL	27 "END DEMO"
392 ACCOL	28 AVIEW
393 ACCOL	29 ADV
394 SF 12	30 ADV
395 127	31 RTN
396 ACCOL	32◆LBL "SINX/X"
397 PRBUF	33 X=0?
398 CF 12	34 GTO 00
399 37	35 SIN
400 SKPCOL	36 LASTX
401 SF 12	37 D-R
402 1	38 /
403 ACCOL	39 RTN
404 3	40◆LBL 00
405 ACCOL	41 1
406 6	42 RTN
407 ACCOL	43 .END.
408 12	
409 ACCOL	
410 24	
411 ACCOL	
412 48	
413 ACCOL	
414 127	
415 ACCOL	
416 PRBUF	
417 CF 12	
418 RTN	
419 .END.	

```
01+LBL "TIMER"
02 "SEE PRINTER"
03 FS? 55
04 AVIEW
05 CF 29
06 CLKT
07 CLK12
08+LBL 01
09 FIX 2
10 "IT IS NOW:"
11 XEQ "OUT"
12 TIME
13 CLA
14 ATIME
15 XEQ "OUT"
16 BEEP
17 ADV
18 "THE DATE IS:"
19 XEQ "OUT"
20 CLA
21 FIX 6
22 DATE
23 ADATE
24 XEQ "OUT"
25 BEEP
26 ADV
27 "FORMATS"
28 XEQ "OUT"
29 ADV
30 "12 HR MODE:"
31 XEQ "OUT"
32 FIX 4
33 TIME
34 CLA
35 ATIME
36 XEQ "OUT"
37 12
38 T+X
39 TIME
40 CLA
41 ATIME
42 XEQ "OUT"
43 ADV
44 "24 HR MODE:"
45 XEQ "OUT"
46 TIME
47 CLA
48 ATIME24
49 XEQ "OUT"
50 12
51 CHS
52 T+X
53 TIME
54 CLA
55 ATIME24
56 XEQ "OUT"
57 ADV
58 MDY
59 "MM/DD/YY:"
60 XEQ "OUT"
61 DATE
62 CLA
63 ADATE
64 XEQ "OUT"
```

```
65 ADV
66 "MM/DD/YYYY:"
67 XEQ "OUT"
68 FIX 6
69 DATE
70 CLA
71 ADATE
72 XEQ "OUT"
73 ADV
74 "DD.MM.YY:"
75 XEQ "OUT"
76 DMY
77 DATE
78 CLA
79 DMY
80 FIX 4
81 ADATE
82 XEQ "OUT"
83 ADV
84 "DD.MM.YYYY:"
85 XEQ "OUT"
86 DATE
87 CLA
88 FIX 6
89 ADATE
90 XEQ "OUT"
91 ADV
92 ADV
93 "DAY OF WEEK:"
94 XEQ "OUT"
95 DATE
96 DOW
97 "TODAY IS "
98 0
99 X=Y?
100 "⊢SUNDAY"
101 RDN
102 1
103 X=Y?
104 "⊢MONDAY"
105 RDN
106 2
107 X=Y?
108 "⊢TUESDAY"
109 RDN
110 3
111 X=Y?
112 "⊢WEDNESDAY"
113 RDN
114 4
115 X=Y?
116 "⊢THURSDAY"
117 RDN
118 5
119 X=Y?
120 "⊢FRIDAY"
121 RDN
122 6
123 X=Y?
```

```
124 "SATURDAY"
125 "⊢."
126 XEQ "OUT"
127 ADV
128 "THE HP-41 CAN E"
129 "⊢VEN ACT"
130 XEQ "OUT"
131 "AS A DESK CLOCK"
132 "⊢."
133 XEQ "OUT"
134 ADV
135 CLST
136 TIME
137 .0020
138 HMS+
139 ",↑↑RTN"
140 XYZALM
141 "WATCH THE DISPL"
142 "⊢AY."
143 XEQ "OUT"
144 SF 29
145 MDY
146 CLOCK
147 .END.
```

```
01*LBL "CHRONO"
02 CF 21
03 "SEE PRINTER"
04 FS? 55
05 AVIEW
06 FS? 55
07 SF 21
08 2
09 SELECT
10 CF 29
11 CLX
12 SETSW
13 RUNSW
14 SF 29
15 "DISPLAY, FROM L"
16 "┝EFT TO"
17 XEQ "OUT"
18 "RIGHT, INDICATE"
19 "┝S HOURS, "
20 XEQ "OUT"
21 "MINUTES, SECOND"
22 "┝S,"
23 XEQ "OUT"
24 "HUNDREDTHS AND "
25 "┝REGISTER"
26 XEQ "OUT"
27 "INTO WHICH A SP"
28 "┝LIT"
29 XEQ "OUT"
30 "WILL BE STORED."
31 XEQ "OUT"
32 ADV
33 "START/STOP ST"
34 "┝OPWATCH"
35 XEQ "OUT"
36 "R/S"
37 XEQ "012"
38 ADV
39 "TAKE/STORE SPLI"
40 "┝TS"
41 XEQ "OUT"
42 "ENTER"
43 XEQ "012"
44 ADV
45 "SPLIT RCL MODE-"
46 XEQ "OUT"
47 "RCL"
48 XEQ "012"
49 "NEXT/PREVIOUS S"
50 "┝PLIT-"
51 XEQ "OUT"
52 "SST/BST"
53 XEQ "012"
54 ADV

55 "CLEAR/EXIT STOP"
56 "┝WATCH"
57 XEQ "OUT"
58 "MODE:"
59 XEQ "OUT"
60 "BACK ARROW"
61 SF 12
62 ACA
63 3
64 ACCHR
65 PRBUF
66 CF 12
67 ADV
68 ADV
69 "THE STOPWATCH H"
70 "┝AS BEEN"
71 XEQ "OUT"
72 "RUNNING SINCE T"
73 "┝HIS DEMO"
74 XEQ "OUT"
75 "STARTED."
76 XEQ "OUT"
77 ADV
78 "THE ELAPSED TIM"
79 "┝E, SO"
80 XEQ "OUT"
81 "FAR, IS "
82 RCLSW
83 FIX 2
84 1 E4
85 *
86 ARCL X
87 "┝ SECONDS."
88 XEQ "OUT"
89 ADV
90 CLX
91 SETSW
92 "NOW, TRY THE ST"
93 "┝OPWATCH."
94 XEQ "OUT"
95 ADV
96 "START IT"
97 XEQ "OUT"
98 ADV
99 "TAKE SPLITS"
100 XEQ "OUT"
101 ADV
102 "STOP IT"
103 XEQ "OUT"
104 ADV
105 "REVIEW THE SPLI"
106 "┝TS."
107 XEQ "OUT"
108 ADV
109 "CLEAR STOPWATCH"
110 "┝ MODE"
111 XEQ "OUT"

112 "BY PRESSING SHI"
113 "┝FT THEN"
114 XEQ "OUT"
115 "BACK ARROW."
116 XEQ "OUT"
117 ADV
118 ADV
119 ADV
120 ADV
121 STOPSW
122 CLX
123 SETSW
124 SW
125 CF 21
126 "END DEMO"
127 AVIEW
128 SF 21
129 RTN
130 .END.
```

```
01◆LBL "ALARM"
02 CF 21
03 "SEE PRINTER"
04 AVIEW
05 SF 21
06 1
07 SELECT
08 "ALARM CAPABILIT"
09 "⊢IES ALLOW"
10 XEQ "OUT"
11 "THE HP-41 TO AC"
12 "⊢T AS AN"
13 XEQ "OUT"
14 "ALARM CLOCK."
15 XEQ "OUT"
16 ADV
17 "HEAR THE TONES?"
18 XEQ "OUT"
19 BEEP
20 BEEP
21 BEEP
22 BEEP
23 ADV
24 "MESSAGE ALARMS "
25 "⊢ADD A"
26 XEQ "OUT"
27 "PROMPT TO THE T"
28 "⊢ONES LIKE"
29 XEQ "OUT"
30 "THE ONES IN THE"
31 "⊢ DISPLAY."
32 XEQ "OUT"
33 ADV
34 CF 21
35 "GOOD MORNING"
36 AVIEW
37 BEEP
38 PSE
39 PSE
40 PSE
41 "WIFES BIRTHDAY"
42 AVIEW
43 BEEP
44 "MEETING WITH BO"
45 "⊢SS"
46 AVIEW
47 BEEP
48 ADV
49 "LABEL ALARMS AL"
50 "⊢LOW THE"
51 XEQ "OUT"
52 "HP-41 TO RUN "
53 "⊢A SELECTED"
54 XEQ "OUT"
55 "PROGRAM AT A "
56 "⊢PRESET"
57 XEQ "OUT"
58 "TIME."
59 XEQ "OUT"
60 ADV
61 "THE HP-41 WILL "
62 "⊢NOW SET"
63 XEQ "OUT"
64 "AN ALARM, TURN "
65 "⊢ITSELF"
66 XEQ "OUT"
67 "OFF, AND START "
68 "⊢RUNNING"
69 XEQ "OUT"
70 "AGAIN IN 10 "
71 "⊢SECONDS"
72 XEQ "OUT"
73 "WHEN THE ALARM "
74 "⊢GOES OFF."
75 XEQ "OUT"
76 ADV
77 ADV
78 ADV
79 PSE
80 PSE
81 "WATCH THE DISPL"
82 "⊢AY."
83 XEQ "OUT"
84 BEEP
85 "IM TURNING OFF"
86 CF 21
87 AVIEW
88 CLX
89 ENTER↑
90 ENTER↑
91 ENTER↑
92 "↑↑ALM"
93 TIME
94 .0010
95 HMS+
96 XYZALM
97 OFF
98◆LBL "ALM"
99 "I AM BACK"
100 CF 21
101 AVIEW
102 BEEP
103 PSE
104 GTO "RTN"
105 .END.
```

```
01◆LBL "XFUNC"          58 AOFF                 121◆LBL "SC"
02 1                    59 GTO "ST"             122 CLA
03 SELECT               60◆LBL 06               123 RCL 01
04 CF 21                61 ALENG                124 1.001
05 "SEE PRINTER"        62 STO 01               125 +
06 AVIEW                63 1                    126 STO 00
07 SF 21                64 +                    127◆LBL 07
08 " ENTER YOUR"        65 1000                 128 RCL IND 00
09 XEQ 01               66 /                    129 ENTER↑
10 "  NAME AND"         67 2                    130 ENTER↑
11 XEQ 01               68 +                    131 2
12 " PRESS R/S."        69 STO 00               132 MOD
13 XEQ 01               70◆LBL 03               133 X=0?
14 AON                  71 ATOX                 134 GTO 08
15 STOP                 72 STO IND 00           135 AROT
16 AOFF                 73 65                    136◆LBL 08
17 XEQ "ST"             74 X>Y?                  137 RDN
18 " YOUR NAME"         75 GTO 10                138 XTOA
19 XEQ 01               76 RDN                   139 DSE 00
20 RCL 01               77 91                    140 GTO 07
21 4                    78 X<=Y?                 141 RTN
22 X≠Y?                 79 GTO 10                142◆LBL "BA"
23 GTO 04               80 ISG 00                143 CLA
24 "    IS A"           81 GTO 03                144 RCL 00
25 XEQ 01               82 RTN                   145 INT
26 "  4 LETTER"         83◆LBL "NMEA"            146 1
27 XEQ 01               84 " BACKWARDS,"         147 -
28 "    WORD."          85 XEQ 01                148 .001
29 XEQ 01               86 "  YOU ARE"           149 +
30 GTO 05               87 XEQ 01                150 STO 00
31◆LBL 04               88 XEQ "BA"              151◆LBL 02
32 "    HAS"            89 ASTO 30               152 RCL IND 00
33 XEQ 01               90 XEQ 01                153 XTOA
34 RCL 01               91 PSE                   154 DSE 00
35 FIX 0                92 " SCRAMBLED,"          155 GTO 02
36 CF 29                93 XEQ 01                156 RTN
37 " "                  94 "  YOU ARE"           157◆LBL "MU"
38 ARCL X               95 XEQ 01                158 RCL 01
39 "+ LETERS."          96 XEQ "SC"              159 1
40 XEQ 01               97 RCL 30                160 +
41◆LBL 05               98 ENTER↑                161 1000
42 GTO "NMEA"           99 ASTO X                162 /
43◆LBL "ST"             100 X≠Y?                 163 2
44 CF 22                101 GTO 12               164 +
45 ANUM                 102 1                    165 STO 00
46 FC? 22               103 AROT                 166◆LBL 11
47 GTO 06               104◆LBL 12               167 RCL IND 00
48◆LBL 10               105 XEQ 01               168 10
49 " THATS NOT"         106 PSE                  169 /
50 XEQ 01               107 "   A SONG"          170 FRC
51 "   A NAME"          108 XEQ 01               171 10
52 XEQ 01               109 " BASED ON"          172 *
53 PSE                  110 XEQ 01               173 TONE IND X
54 " TRY AGAIN"         111 "YOUR NAME IS:"      174 ISG 00
55 XEQ 01               112 XEQ 01               175 GTO 11
56 AON                  113 1                    176 RTN
57 STOP                 114 SIN                   177 RTN
                        115 XEQ "MU"             178◆LBL 01
                        116 "   WAIT"            179 AVIEW
                        117 AVIEW                180 38
                        118 SF 29                181 FACT
                        119 "SN"                 182 RTN
                        120 READP                183 .END.
```

```
01+LBL "SN"            63+LBL 08            125+LBL 06
02 FIX 0              64 " BAD CHOICE"      126 " PRESS THE"
03 2.014             65 XEQ 01             127 XEQ 01
04 STO 00            66 PSE                128 CLA
05 "ENTER"           67 GTO 02             129 ARCL IND 00
06 ASTO 02           68+LBL 03             130 "┝ KEY"
07 "R/S"             69 RDN                131 1
08 ASTO 04           70 STO 01             132 ST+ 00
09 "ON"              71 "SIN"              133 AVIEW
10 ASTO 06           72 PASN               134 40
11 "GOLD"            73 "  ITS DONE"       135 FACT
12 ASTO 08           74 XEQ 01             136 CLD
13 "R"               75 "TO TRY IT"        137 GETKEY
14 ASTO 10           76 XEQ 01             138 RCL IND 00
15 "ASN"             77 "PRESS AND"        139 X=Y?
16 ASTO 12           78 XEQ 01             140 GTO 05
17 "PI"              79 "HOLD THE KEY"     141 "   WRONG"
18 ASTO 14           80 XEQ 01             142 AVIEW
19 41                81 PSE                143 1
20 STO 03            82 SF 27              144 ST+ 01
21 84                83 " PRESS R/S"       145 TONE 0
22 STO 05            84 XEQ 01             146 GTO 07
23 1                 85 " TO RESUME"       147+LBL 01
24 STO 07            86 XEQ 01             148 AVIEW
25 31                87 30                 149 45
26 STO 09            88 FIX 3              150 FACT
27 52                89 CLD                151 RTN
28 STO 11            90 STOP               152+LBL 05
29 32                91 "    WAIT"         153 "   RIGHT"
30 STO 13            92 AVIEW              154 AVIEW
31 82                93 FIX 0              155 TONE 8
32 STO 15            94 RCL 01             156+LBL 07
33+LBL 02            95 CLA                157 ISG 00
34 " PRESS THE"      96 PASN               158 GTO 06
35 XEQ 01            97+LBL 04             159 7
36 "    KEY"         98 "NEW FEATURE"      160 RCL 01
37 XEQ 01            99 XEQ 01             161 -
38 " THAT YOU"       100 "   ALLOWS"       162 STO 01
39 XEQ 01            101 XEQ 01            163 5
40 " WANT THE"       102 " KEY CODE"       164 X>Y?
41 XEQ 01            103 XEQ 01            165 GTO 09
42 "SIN FUNCTION"    104 " RETRIEVAL"      166 " VERY GOOD"
43 XEQ 01            105 XEQ 01            167 XEQ 01
44 PSE               106 PSE               168 PSE
45 "ASSIGNED TO"     107 "LETS PLAY"       169 GTO 10
46 AVIEW             108 XEQ 01            170+LBL 09
47 ADV              109 "A GAME ON"        171 " NICE TRY"
48 GETKEY           110 XEQ 01            172 XEQ 01
49 CLD              111 "THE HP-41"        173 PSE
50 X=0?             112 XEQ 01            174+LBL 10
51 GTO 02           113 "KEYBOARD"        175 " YOU MADE"
52 31               114 XEQ 01            176 XEQ 01
53 X=Y?             115 "WATCH THE"        177 PSE
54 GTO 08           116 XEQ 01            178 CF 29
55 CLX              117 "DISPLAY"         179 " "
56 84               118 AVIEW            180 ARCL 01
57 X=Y?             119 PSE               181 "┝ OF 7"
58 GTO 08           120 TONE 9            182 XEQ 01
59 CLX              121 TONE 9            183 PSE
60 11               122 TONE 9            184 SF 29
61 X<=Y?            123 0                 185 " END DEMO"
62 GTO 03           124 STO 01            186 AVIEW
                                          187 GTO "EE"

                                          188+LBL 01
                                          189 AVIEW
                                          190 45
                                          191 FACT
                                          192 RTN
                                          193+LBL "R"
                                          194 "SN"
                                          195 READP
                                          196 .END.
```

```
01◆LBL "CASSET"
02 1
03 SELECT
04 CF 21
05 "SEE PRINTER"
06 AVIEW
07 SF 21
08 "THE CASSETTE DR"
09 "⊢IVE"
10 XEQ "OUT"
11 "HANDLES HIGH QU"
12 "⊢ALITY"
13 XEQ "OUT"
14 "MINI DATA CARTR"
15 "⊢IDGES"
16 XEQ "OUT"
17 "THAT CAN STORE "
18 "⊢UP TO"
19 XEQ "OUT"
20 "128K BYTES O"
21 "⊢F INFOR"
22 XEQ "OUT"
23 "MATION"
24 XEQ "OUT"
25 ADV
26 "IT HAS A FILE B"
27 "⊢Y NAME"
28 XEQ "OUT"
29 "DIRECTORY"
30 XEQ "OUT"
31 ADV
32 DIR
33 ADV
34 "YOU CAN STORE A"
35 "⊢ND READ:"
36 XEQ "OUT"
37 "-PROGRAMS"
38 XEQ "OUT"
39 "-DATA"
40 XEQ "OUT"
41 "-KEY ASSIGNMENT"
42 "⊢S"
43 XEQ "OUT"
44 "-CALCULATOR STA"
45 "⊢TUS"
46 XEQ "OUT"
47 "-COMPLETE CALCU"
48 "⊢LATOR"
49 XEQ "OUT"
50 " CONTENT"
51 XEQ "OUT"
52 ADV
```

```
53 "YOU HAVE ALSO A"
54 "⊢VAILABLE"
55 XEQ "OUT"
56 "FOR YOUR CONVEN"
57 "⊢IENCE:"
58 XEQ "OUT"
59 "-SECURE/UNSECUR"
60 "⊢E"
61 XEQ "OUT"
62 "-RENAME"
63 XEQ "OUT"
64 "-PURGE"
65 XEQ "OUT"
66 "-AUTOMATIC EXEC"
67 "⊢UTION"
68 XEQ "OUT"
69 "-VERIFY"
70 XEQ "OUT"
71 BEEP
72 RTN
73 .END.
```

```
01◆LBL "SELL"
02 CF 21
03 "WATCH DMM"
04 AVIEW
05 "D2HI, IM THE"
06 XEQ 02
07 "D2HP 3468A"
08 XEQ 02
09 "D2MULTIMETER."
10 XEQ 02
11 "D2I CAN"
12 XEQ 02
13 "D2MEASURE"
14 XEQ 02
15 "D2DC VOLTS,"
16 XEQ 02
```

```
17 "D2RMS AC VOLTS,"
18 XEQ 02
19 "D22 AND 4 WIRE"
20 XEQ 02
21 "D2OHMS,"
22 XEQ 02
23 "D2DC CURRENT,"
24 XEQ 02
25 "D2AND RMS AC"
26 XEQ 02
27 "D2 CURRENT."
28 XEQ 02
29 "D2RESOLUTION -"
30 XEQ 02
31 "D23 1/2 TO"
32 XEQ 02
33 "D25 1/2 DIGITS,"
34 XEQ 02
35 "D2AND I HAVE"
36 XEQ 02
37 "D2THE NEW HPIL"
38 XEQ 02
39 "D2BUILT IN."
40 XEQ 02
41 XEQ 01
42 XEQ 01
43 XEQ 01
44 "D2END DEMO"
45 XEQ 02
46 "END DEMO"
47 AVIEW
48 SF 21
49 "D1"
50 OUTA
51 LOCAL
52 RTN
53◆LBL 01
54 "D2BUY ME NOW"
55 BEEP
56 XEQ 02
57 "D2 "
58 OUTA
59 RTN
60◆LBL 02
61 OUTA
62 "WATCH DMM"
63 AVIEW
64 RTN
65◆LBL "DMM"
66 AUTOIO
67 CF 17
68 "HP3468A"
69 FINDID
70 X=0?
71 GTO 37
72 SELECT
73 REMOTE
74 GTO "SELL"
75◆LBL 37
76 BEEP
77 "NO HP3468A"
78 "⊢ IN LOOP"
79 ADV
80 XEQ "OUT"
81 ADV
82 RTN
83 .END.
```

```
01*LBL "VIDEO"           52 XTOA              109 "1. HP-IL COMPAT"
02 SF 21                 53 177               110 "⊦IBLE"
03 CF 21                 54 XTOA              111 OUTA
04 "SEE VIDEO DSP"       55 182               112 CLA
05 AVIEW                 56 XTOA              113 "2. 32 CHARACTER"
06 1                     57 179               114 "⊦ LINES"
07 SELECT                58 XTOA              115 OUTA
08 SF 17                 59 193               116 "3. 16-LINE DISP"
09 CLA                   60 XTOA              117 SF 17
10 27                    61 OUTA              118 OUTA
11 XTOA                  62 CLA               119 "LAY, 31 LINE"
12 "⊦E"                  63 ARCL 13           120 CF 17
13 OUTA                  64 10                121 OUTA
14 XEQ "COFF"            65 XTOA              122 "   MEMORY"
15 CLA                   66 6                 123 OUTA
16 XTOA                  67 XTOA              124 "4. FULL CURSOR "
17 "⊦%"                  68 214               125 "⊦CONTROL"
18 ASTO 13               69 XTOA              126 OUTA
19 10                    70 233               127 "5. "
20 XTOA                  71 XTOA              128 201
21 1                     72 228               129 XTOA
22 XTOA                  73 XTOA              130 206
23 OUTA                  74 229               131 XTOA
24 "**INTRODUCING**"     75 XTOA              132 214
25 OUTA                  76 239               133 XTOA
26 CLA                   77 XTOA              134 197
27 ARCL 13               78 160               135 XTOA
28 16                    79 XTOA              136 210
29 XTOA                  80 201               137 XTOA
30 3                     81 XTOA              138 211
31 XTOA                  82 238               139 XTOA
32 116                   83 XTOA              140 197
33 XTOA                  84 244               141 XTOA
34 104                   85 XTOA              142 160
35 XTOA                  86 229               143 XTOA
36 101                   87 XTOA              144 214
37 XTOA                  88 242               145 XTOA
38 ARCL 13               89 XTOA              146 201
39 13                    90 230               147 XTOA
40 XTOA                  91 XTOA              148 196
41 5                     92 225               149 XTOA
42 XTOA                  93 XTOA              150 197
43 200                   94 227               151 XTOA
44 XTOA                  95 XTOA              152 207
45 208                   96 229               153 XTOA
46 XTOA                  97 XTOA              154 OUTA
47 160                   98 OUTA              155 "6. 95 DISPLAYAB"
48 XTOA                  99 CLA               156 SF 17
49 184                  100 13                157 OUTA
50 XTOA                 101 XTOA              158 "LE CHARACTERS"
51 178                  102 10                159 OUTA
                        103 XTOA              160 CLA
                        104 OUTA              161 27
                        105 OUTA              162 XTOA
                        106 CF 17             163 "⊦<"
                        107 "KEY FEATURES:"   164 CF 17
                        108 OUTA              165 OUTA
```

```
166 PSE                 225◆LBL F              285◆LBL "COFF"
167 PSE                 226 FC? 01             286 CLA
168 PSE                 227 XEQ "XY"           287 27
169◆LBL "CBA"           228 "H   H P   P    "  288 XTOA
170 SF 17               229 "⊦    I   L"       289 "⊦<"
171 XEQ "CD"            230 OUTA               290 OUTA
172 XEQ "COFF"          231 FS?C 01            291 RTN
173 XEQ "CC"            232 GTO F              292◆LBL "XY"
174 CLA                 233 7                  293 CLA
175 27                  234 1                  294 27
176 XTOA               235 XEQ "XY"           295 XTOA
177 "⊦%"                236 "HHHHH PPPP  ==="  296 "⊦%"
178 ASTO 03             237 "⊦=   I   L"       297 RDN
179 CLA                 238 OUTA               298 XTOA
180 7                   239 8                  299 X<>Y
181 XTOA               240 1                  300 XTOA
182 ASTO 04             241 XEQ "XY"           301 OUTA
183 22.012              242 SF 01              302 RTN
184 CLA                 243 9                  303◆LBL "CC"
185 ARCL 04             244 1                  304 CLA
186 "⊦H "               245◆LBL G              305 27
187 ASTO 02             246 FC? 01             306 XTOA
188 XEQ 01              247 XEQ "XY"           307 "⊦J"
189 22.013              248 "H    H P     "    308 OUTA
190 CLA                 249 "⊦   I   L"        309 ASTO 01
191 ARCL 04             250 OUTA               310 RTN
192 "⊦P "               251 FS?C 01            311 .END.
193 ASTO 02             252 GTO G
194 XEQ 01              253 10
195 22.014              254 1
196 CLA                 255 XEQ "XY"
197 ARCL 04             256 "H   H P     "
198 "⊦- "               257 "⊦   III  L"
199 ASTO 02             258 OUTA
200 XEQ 01              259 "LLLL"
201 22.015              260 OUTA
202 CLA                 261 14
203 ARCL 04             262 1
204 "⊦I "               263 XEQ "XY"
205 ASTO 02             264 "END DEMO"
206 XEQ 01              265 SF 21
207 22.016              266 AVIEW
208 CLA                 267 CF 17
209 ARCL 04             268 RTN
210 "⊦L "               269◆LBL 01
211 ASTO 02             270 CLA
212 XEQ 01              271 ARCL 03
213 4                   272 XTOA
214 1                   273 ARCL 02
215 XEQ "XY"            274 OUTA
216 "H   H PPPP    "    275 DSE X
217 "⊦   III  L"        276 GTO 01
218 OUTA               277 RTN
219 5                   278◆LBL "CD"
220 1                   279 CLA
221 XEQ "XY"            280 27
222 SF 01               281 XTOA
223 6                   282 "⊦E"
224 1                   283 OUTA
                        284 RTN
```

BCDEPR   Page 1/1
69 Regs
(i.e. Barcode printing)
on Hp 82162A.

```
        WAIT

   01♦LBL "BCDEPR"
   02 " WAIT"
   03 AVIEW
   04 SF 21
   05 XEQ 15
   06 1
   07 SELECT
   08 "HP 82162A PRINT"
   09 "⊢ER ADDRESS?"
   10 SF 16
   11 PROMPT
   12 SELECT
   13 "WATCH PRINTER"
   14 CF 21
   15 CF 16
   16 AVIEW
   17 SF 21
   18 ADV
   19 ADV
   20 "BAR CODE PRINTI"
   21 "⊢NG*"
   22 PRA
   23 ADV
   24 FIX 2
   25 82162
   26 CLA
   27 ARCL X
   28 PRA
   29 CLA
   30 ARCL 10
   31 XEQ 01
   32 OUTA
   33 XEQ 01
   34 CLA
   35 ADV
   36 ADV
   37 ARCL 08
   38 SF 17
   39 OUTA
   40 "*THIS FUNCTION "
   41 OUTA
   42 "SUPPORTED BY "
   43 OUTA
   44 "THE HP-41 PLOTT"
   45 "⊢ER ROM. "
   46 OUTA
```

```
   47 "A PRIMITIV"
   48 OUTA
   49 "E IMPLEMENTATIO"
   50 OUTA
   51 "N IS AVAILABLE "
   52 OUTA
   53 "AS A USER LIBRA"
   54 OUTA
   55 "RY PROGRAM. "
   56 OUTA
   57 PRBUF
   58 XEQ 01
   59 CLA
   60 ARCL 09
   61 OUTA
   62 CF 17
   63 ADV
   64 ADV
   65 ADV
   66 ADV
   67 "END DEMO"
   68 CF 21
   69 AVIEW
   70 SF 21
   71 RTN
   72♦LBL 01
   73 PSE
   74 PSE
   75 RTN
   76♦LBL 15
   77 CLA
   78 CLST
   79 1
   80 BLDSPEC
   81 82
   82 BLDSPEC
   83 ARCL X
   84 CLST
   85 1
   86 BLDSPEC
   87 3
   88 BLDSPEC
   89 ARCL X
   90 CLST
   91 1
   92 BLDSPEC
   93 107
   94 BLDSPEC
   95 ARCL X
   96 CLST
   97 104
   98 BLDSPEC
   99 ARCL X
  100 CLST
  101 33
  102 BLDSPEC
  103 ARCL X
  104 CLST
  105 98
```

```
  106 BLDSPEC
  107 ARCL X
  108 ASTO 10
  109 CLA
  110 CLST
  111 1
  112 BLDSPEC
  113 124
  114 BLDSPEC
  115 ARCL X
  116 CLST
  117 27
  118 BLDSPEC
  119 ARCL X
  120 CLST
  121 38
  122 BLDSPEC
  123 ARCL X
  124 CLST
  125 107
  126 BLDSPEC
  127 ARCL X
  128 CLST
  129 49
  130 BLDSPEC
  131 ARCL X
  132 CLST
  133 72
  134 BLDSPEC
  135 ARCL X
  136 ASTO 08
  137 CLST
  138 CLA
  139 1
  140 BLDSPEC
  141 124
  142 BLDSPEC
  143 ARCL X
  144 CLST
  145 27
  146 BLDSPEC
  147 ARCL X
  148 CLST
  149 38
  150 BLDSPEC
  151 ARCL X
  152 CLST
  153 107
  154 BLDSPEC
  155 ARCL X
  156 CLST
  157 48
  158 BLDSPEC
  159 ARCL X
  160 CLST
  161 72
  162 BLDSPEC
  163 ARCL X
  164 ASTO 09
  165 RTN
  166 .END.
```

```
01◆LBL "PRNT80"
02 "HP82905B"
03 FINDID
04 SELECT
05 SF 17
06 CLA
07 27
08 XTOA
09 38
10 XTOA
11 ASTO 01
12 107
13 XTOA
14 "⊦1S"
15 OUTA
16 150
17 SKPCOL
18 SKPCOL
19 SKPCOL
20 SKPCOL
21 SKPCOL
22 "HP PRODUCTS"
23 PRA
24 CLA
25 ARCL 01
26 107
27 XTOA
28 "⊦0S"
29 OUTA
30 ADV
31 ADV
32 "DESCRIPTION    "
33 OUTA
34 "            "
35 OUTA
36 "MODEL       "
37 OUTA
38 "LIST PRICE"
39 PRA
40 ADV
41 "HP-IL INTERFACE"
42 OUTA
43 " MODULE     "
44 OUTA
45 "HP 82160A   "
46 OUTA
47 " 125.00"
48 PRA
49 "DIGITAL CASSETT"
50 OUTA
51 "E DRIVE     "
52 OUTA
53 "HP 82161A   "
54 OUTA
55 " 550.00"
56 PRA
57 "THERMAL PRINTER"
58 OUTA
59 "            "
60 OUTA
61 "HP 82162A   "
62 OUTA
63 " 495.00"
64 PRA
65 "VIDEO INTERFACE"
66 OUTA
67 "            "
68 OUTA
69 "HP 82163A   "
70 OUTA
71 " 295.00"
72 PRA
73 "80 COLUMN PRINT"
74 OUTA
75 "ER          "
76 OUTA
77 "HP 82905B   "
78 OUTA
79 " 795.00"
80 PRA
81 CLA
82 12
83 XTOA
84 OUTA
85 CF 17
86 1
87 SELECT
88 RTN
89 .END.
```

```
01+LBL "PLTR"          54 5                  117 CLX
02 SF 25               55 XROM 17,36         118 LASTX
03 XROM 17,25          56 XROM 17,38         119 CLX
04 FS?C 25             57 65                  120 LASTX
05 GTO 00              58 ENTER↑             121 XROM 17,26
06 "NO PLOTTER"        59 55                  122 ISG X
07 CF 21               60 ENTER↑             123 GTO 06
08 AVIEW               61 95                  124 1.5
09 BEEP                62 XROM 17,15         125 ENTER↑
10 PSE                 63 XROM 17,06         126 CLX
11 PSE                 64 RDN                 127 XROM 17,21
12 RTN                 65 RDN                 128 4
13+LBL 00              66 5                   129 XROM 17,02
14 4                   67 ENTER↑             130 5
15 XROM 17,02          68 45                  131 XROM 17,16
16 90                  69 XROM 17,15         132 "(SIN X)/X"
17 ENTER↑              70 XROM 17,06         133 XROM 17,11
18 10                  71 15                  134 1
19 XROM 17,21          72 ENTER↑             135 XROM 17,22
20 "INTRODUCING THE"   73 55                  136 75
21 SF 17               74 ENTER↑             137 ENTER↑
22 XROM 17,11          75 15                  138 135
23 CF 17               76 ENTER↑             139 ENTER↑
24 " NEW HP-41"        77 35                  140 55
25 XROM 17,11          78 XROM 17,15         141 ENTER↑
26 86                  79 -360                142 95
27 ENTER↑              80 ENTER↑             143 XROM 17,15
28 10                  81 CHS                 144 XROM 17,06
29 XROM 17,21          82 ENTER↑             145 2
30 "PLOTTER MODULE."   83 -1                  146 XROM 17,22
31 "⊦ NOW YOU"         84 ENTER↑             147 -50
32 XROM 17,11          85 CHS                 148 ENTER↑
33 "AND YOUR HP-41 "   86 XROM 17,30         149 150
34 SF 17               87 FIX 0              150 ENTER↑
35 XROM 17,11          88 CF 29              151 -25
36 CF 17               89 2.5                 152 ENTER↑
37 "CAN CREATE"        90 XROM 17,02         153 110
38 XROM 17,11          91 360                 154 XROM 17,30
39 78                  92 ENTER↑             155 20
40 ENTER↑              93 CHS                 156 ENTER↑
41 10                  94 ENTER↑             157 CLX
42 XROM 17,21          95 -180                158 XROM 17,21
43 "LINE GRAPHS,DRA"   96 ENTER↑             159 100
44 "⊦WINGS,BAR"        97 CLX                 160 X<>Y
45 XROM 17,11          98 XROM 17,19         161 XROM 17,05
46 "CODE, TEXT....."   99 FIX 1              162 X<>Y
47 XROM 17,11          100 1                  163 ENTER↑
48 XROM 17,06          101 ENTER↑             164 XROM 17,05
49 CLST                102 CHS                 165 0
50 10                  103 ENTER↑             166 X<>Y
51 R↑                  104 CHS                 167 XROM 17,05
52 10                  105 ENTER↑             168 CLX
53 XROM 17,30          106 CLX                 169 30
                       107 XROM 17,20         170 XROM 17,05
                       108 2                   171 -15
                       109 XROM 17,22         172 X<>Y
                       110 DEG                 173 XROM 17,05
                       111 -360.36020          174 15
                       112+LBL 06              175 ENTER↑
                       113 SIN                 176 0
                       114 LASTX               177 XROM 17,05
                       115 D-R                 178 45
                       116 ST/ Y
```

```
179 ENTER↑
180 30
181 XROM 17,05
182 30
183 XROM 17,05
184 70
185 XROM 17,05
186 70
187 XROM 17,05
188 30
189 XROM 17,05
190 50
191 X<>Y
192 XROM 17,05
193 20
194 ENTER↑
195 0
196 XROM 17,05
197 80
198 ENTER↑
199 50
200 XROM 17,21
201 5
202 XROM 17,02
203 1
204 XROM 17,22
205 "HP-IL"
206 XROM 17,11
207 75
208 ENTER↑
209 135
210 ENTER↑
211 5
212 ENTER↑
213 45
214 XROM 17,15
215 CLST
216 10
217 STO Z
218 XROM 17,30
219 XROM 17,06
220 90
221 XROM 17,12
222 1
223 XROM 17,16
224 ENTER↑
225 2
226 XROM 17,21
227 3
228 XROM 17,02
229 "HP"
230 XROM 17,11
231 XROM 18,12
232 XROM 18,11
233 1
234 ENTER↑
235 4
236 XROM 17,21
```

```
237 "-41 "
238 XROM 17,11
239 XROM 18,13
240 XROM 18,11
241 1
242 ENTER↑
243 6
244 XROM 17,21
245 "BAR "
246 XROM 17,11
247 XROM 18,13
248 XROM 18,11
249 1
250 ENTER↑
251 8
252 XROM 17,21
253 "CODE"
254 XROM 17,11
255 XROM 18,13
256 XROM 18,11
257 XROM 17,31
258 74
259 ENTER↑
260 41
261 XROM 17,21
262 15
263 ENTER↑
264 .6
265 ENTER↑
266 4
267 XROM 17,03
268 CLX
269 XROM 17,12
270 CLA
271 "AND MORE."
272 XROM 17,11
273 2
274 XROM 17,22
275 68
276 ENTER↑
277 30
278 XROM 17,21
279 15
280 ENTER↑
281 .6
282 ENTER↑
283 5
284 XROM 17,03
285 CLX
286 "* EASILY"
287 XROM 17,11
288 "* QUICKLY"
289 XROM 17,11
290 "* INEXPENSIVELY"
291 XROM 17,11
292 CLX
293 XROM 17,22
294 ENTER↑
295 XROM 17,21
296 XROM 18,01
297 .END.
```

```
01♦LBL "GPIOX"
02 "THE HP82165A AN"
03 "╍D THE"
04 XEQ "OUT"
05 "HP82166A GPIO I"
06 "╍NTERFACES"
07 XEQ "OUT"
08 "CAN BE CONFIGUR"
09 "╍ED UNDER"
10 XEQ "OUT"
11 "SOFTWARE CONTRO"
12 "╍L"
13 XEQ "OUT"
14 "TO ONE OF SEVER"
15 "╍AL "
16 XEQ "OUT"
17 "CONFIGURATIONS:"
18 XEQ "OUT"
19 ADV
20 "-TWO 8 BIT"
21 XEQ "OUT"
22 " BI/UNIDIRECTIO"
23 "╍NAL PORTS"
24 XEQ "OUT"
25 "-ONE 16 BIT"
26 XEQ "OUT"
27 " BI/UNIDIRECTIO"
28 "╍NAL PORT"
29 XEQ "OUT"
30 ADV
31 "HANDSHAKES INCL"
32 "╍UDE:"
33 XEQ "OUT"
34 "-FULL"
35 XEQ "OUT"
36 "-VALID/ACCEPTED"
37 XEQ "OUT"
38 "-READY/VALID"
39 XEQ "OUT"
40 "-STROBED OUTPUT"
41 XEQ "OUT"
42 ADV
43 ADV
44 "EACH GPIO INTER"
45 "╍FACE "
46 XEQ "OUT"
47 "INCORPORATES ON"
48 "╍E"
49 XEQ "OUT"
50 "32 BYTE FIFO BU"
51 "╍FFER FOR"

52 XEQ "OUT"
53 "INCREASED THROU"
54 "╍GHPUT"
55 XEQ "OUT"
56 ADV
57 ADV
58 "APPLICATIONS:"
59 XEQ "OUT"
60 ADV
61 "-THE 82165A CAN"
62 "╍ CONNECT"
63 XEQ "OUT"
64 "TO MANY PERSONA"
65 "╍L"
66 XEQ "OUT"
67 "COMPUTERS OVER "
68 "╍THEIR"
69 XEQ "OUT"
70 "PARALLEL PRINTE"
71 "╍R"
72 XEQ "OUT"
73 "INTERFACE THUS "
74 "╍GIVING"
75 XEQ "OUT"
76 "YOUR MACHINE HP"
77 "╍IL"
78 XEQ "OUT"
79 "CAPABILITY."
80 XEQ "OUT"
81 "   ALSO, IT CAN"
82 "╍ BE"
83 XEQ "OUT"
84 "CONNECTED TO MO"
85 "╍ST"
86 XEQ "OUT"
87 "PRINTERS AVAILA"
88 "╍BLE"
89 XEQ "OUT"
90 "ALLOWING YOUR S"
91 "╍TANDARD"
92 XEQ "OUT"
93 "SIZED PRINTER T"
94 "╍HAT YOU"
95 XEQ "OUT"
96 "MAY ALREADY OWN"
97 "╍ TO DO"
98 XEQ "OUT"
99 "YOUR PRINTING."
100 XEQ "OUT"
101 ADV
102 "-THE 82166A IS "
103 "╍MEANT FOR"
104 XEQ "OUT"

105 "OEM CUSTOMERS W"
106 "╍HO WISH"
107 XEQ "OUT"
108 "TO DESIGN HPIL "
109 XEQ "OUT"
110 "CAPABILITIES IN"
111 "╍TO THEIR "
112 XEQ "OUT"
113 "PRODUCTS WITH M"
114 "╍INIMAL"
115 XEQ "OUT"
116 "DEVELOPEMENT CO"
117 "╍STS AND"
118 XEQ "OUT"
119 "HP SUPPORT."
120 XEQ "OUT"
121 ADV
122 ADV
123 ADV
124 ADV
125 "END DEMO"
126 XEQ "OUT"
127 XEQ "RTN"
128 .END.
```